

# 846

## Inventory Inquiry/Advice

### Functional Group=IB

This X12 Transaction Set contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

#### Notes:

- 2/3900L The REF loop conveys serial number, lot number, and inventory data.  
 2/3900 The REF loop conveys serial number, lot number, and inventory data.  
 3/0100 Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

#### Federal Note:

1. Use this transaction to transmit provisioning request update information to and from the Service Item Control Center (SICC) and Defense Logistics Information Service (DLIS).
2. This transaction can be used to send interim advice, accept, reject, reply to offer, follow-up and reply to follow-up messages.
3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

#### DLMS Note:

1. This DLMS Supplement provides the DoD standard format for provisioning transaction interim advice, accept, reject, reply to offer, follow-up and reply to follow-up messages
2. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion table which can be found on the Defense Logistics Management Standards Office (DLMSO) web site at URL: <http://www.dla.mil/j-6/dlms>.

#### Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1			Must use
* 0400	CUR	Currency	O	1			Not Used
0500	DTM	Date/Time Reference	O	10			Used
0600	REF	Reference Information	O	12			Used
* 0700	PER	Administrative Communications Contact	O	3			Not Used
* 0750	MEA	Measurements	O	20			Not Used
<b>LOOP ID - N1</b>					<b>5</b>		
0800	N1	Party Identification	O	1			Used
* 0900	N2	Additional Name Information	O	2			Not Used
* 1000	N3	Party Location	O	2			Not Used
* 1100	N4	Geographic Location	O	1			Not Used
* 1200	REF	Reference Information	O	12			Not Used
* 1300	PER	Administrative Communications Contact	O	3			Not Used
<b>LOOP ID - LM</b>					<b>10</b>		
1400	LM	Code Source Information	O	1			Used
1500	LQ	Industry Code Identification	M	100			Must use

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - LIN</b>					<b>10000</b>		
0100	LIN	Item Identification	M	1			Must use
* 0300	PID	Product/Item Description	O	200			Not Used
* 0400	MEA	Measurements	O	40			Not Used
* 0500	PKG	Marking, Packaging, Loading	O	25			Not Used
* 1000	DTM	Date/Time Reference	O	10			Not Used
* 1100	CTP	Pricing Information	O	25			Not Used
* 1200	CUR	Currency	O	1			Not Used
* 1300	SAC	Service, Promotion, Allowance, or Charge Information	O	25			Not Used
* 1400	REF	Reference Information	O	>1			Not Used
* 1500	PER	Administrative Communications Contact	O	3			Not Used
* 2200	SDQ	Destination Quantity	O	500			Not Used
* 2300	MAN	Marks and Numbers Information	O	1			Not Used
* 2350	UIT	Unit Detail	O	5			Not Used
* 2400	CS	Contract Summary	O	1			Not Used
* 2500	DD	Demand Detail	O	>1			Not Used
* 2550	G53	Maintenance Type	O	1			Not Used
* 2560	PCT	Percent Amounts	O	>1			Not Used
* 2570	LDT	Lead Time	O	12			Not Used
<b>* LOOP ID - LM</b>					<b>10</b>		
* 2600	LM	Code Source Information	O	1			Not Used
* 2700	LQ	Industry Code Identification	M	100			Not Used
<b>* LOOP ID - SLN</b>					<b>1000</b>		
* 2800	SLN	Subline Item Detail	O	1			Not Used
* 2900	PID	Product/Item Description	O	200			Not Used
* 3000	MEA	Measurements	O	40			Not Used
* 3100	PKG	Marking, Packaging, Loading	O	25			Not Used
<b>* LOOP ID - MAN</b>					<b>100</b>		
* 3120	MAN	Marks and Numbers Information	O	1			Not Used
* 3140	MEA	Measurements	O	40			Not Used
<b>* LOOP ID - QTY</b>					<b>99</b>		
* 3200	QTY	Quantity Information	O	1			Not Used
* 3300	UIT	Unit Detail	O	12			Not Used
* 3400	MEA	Measurements	O	25			Not Used
* 3500	LDT	Lead Time	O	12			Not Used
* 3550	DTM	Date/Time Reference	O	10			Not Used
<b>* LOOP ID - SCH</b>					<b>25</b>		
* 3600	SCH	Line Item Schedule	O	1			Not Used
* 3700	MEA	Measurements	O	25			Not Used
<b>* LOOP ID - LM</b>					<b>≥1</b>		
* 3750	LM	Code Source Information	O	1			Not Used
* 3760	LQ	Industry Code Identification	M	100			Not Used
<b>* LOOP ID - LS</b>					<b>1</b>		
* 3800	LS	Loop Header	O	1			Not Used
<b>* LOOP ID - REF</b>					<b>≥1</b>	<b>N2/3900L</b>	
3900	REF	Reference Information	O	1		N2/3900	Used
4000	DTM	Date/Time Reference	O	>1			Used
4100	N1	Party Identification	O	1			Used
<b>LOOP ID - LM</b>					<b>10</b>		
4200	LM	Code Source Information	O	1			Used

4300	LQ	Industry Code Identification	M	100	Must use	
* 4400	LE	Loop Trailer	M	1	Not Used	
<b>* LOOP ID - N1</b>				<b>200</b>		
* 4500	N1	Party Identification	O	1	Not Used	
* 4600	N2	Additional Name Information	O	2	Not Used	
* 4700	N3	Party Location	O	2	Not Used	
* 4800	N4	Geographic Location	O	1	Not Used	
* 4900	REF	Reference Information	O	12	Not Used	
* 5000	PER	Administrative Communications Contact	O	3	Not Used	

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0200	SE	Transaction Set Trailer	M	1			Must use

**ST****Transaction Set Header**

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**User Option (Usage):** Must use

To indicate the start of a transaction set and to assign a control number

**Semantics:**

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>Federal Note:</b> <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M	AN	4/9	Must use

**BIA****Beginning Segment for Inventory Inquiry/Advice**

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**User Option (Usage):** Must use

To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

**Semantics:**

1. BIA03 identifies the number of the inquiry/advice that is transferred.
2. BIA04 identifies the date of the inquiry/advice that is transferred.
3. BIA05 identifies the time of the inquiry/advice that is transferred.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIA01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set	M	ID	2/2	Must use
		<b>Code</b>		<b>Name</b>		
		11		Response		
				<b>DLMS Note:</b>		
				<i>Use to indicate Response to CX3 Follow-up transaction - provides status of initial CX_ transaction (CX4).</i>		
		25		Incremental		
				<b>DLMS Note:</b>		
				<i>Use to indicate Line Item Advice IMM to SICC Interim Advice transaction (CX1).</i>		
		44		Rejection		
				<b>DLMS Note:</b>		
				<i>Use to indicate Line Item Advice IMM to SICC Reject Advice transaction (CX1).</i>		
		45		Follow-up		
				<b>DLMS Note:</b>		
				<i>Use to indicate Line Item Advice Card SICC to IMM Follow-up transaction (CX3).</i>		
		54		Approval		
				<b>DLMS Note:</b>		
				<i>Use to indicate Line Item Advice IMM to SICC Accept transaction (CX1).</i>		
		SU		Status Update		
				<b>DLMS Note:</b>		
				<i>Use to indicate Line Item Advice Card SICC to IMM Reply to Offer transaction (CX2).</i>		
BIA02	755	<b>Report Type Code</b> <b>Description:</b> Code indicating the title or contents of a document, report or supporting item	M	ID	2/2	Must use
		<b>Code</b>		<b>Name</b>		
		ZZ		Mutually Defined		
				<b>DLMS Note:</b>		
				<i>1. Use to indicate Provisioning code.</i>		
				<i>2. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.</i>		
BIA03	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the	M	AN	1/50	Must use

		Reference Identification Qualifier				
BIA04	373	<p><b>DLMS Note:</b> Populate with "Z" to satisfy X12 requirements.</p> <p><b>Date</b>  <b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year  <b>Federal Note:</b> This date corresponds to the date of the transaction.</p>	M	DT	8/8	Must use
BIA05	337	<p><b>Time</b>  <b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)  <b>Federal Note:</b> 1. Express the originating activity's time in UTC.   2. Express time in a four-position (HHMM) format.</p>	O	TM	4/8	Used

# DTM

## Date/Time Reference

Pos: 0500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

To specify pertinent dates and times

### Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time	M	ID	3/3	Must use
		<b>Code</b>		<b>Name</b>		
		205		Transmitted		
		268		End Date of Support		
		<b>DLMS Note:</b>				
		1. Use to indicate Support Date.				
		2. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.				
		881		Request		
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X	DT	8/8	Used

# REF

## Reference Information

Pos: 0600	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

To specify identifying information

### Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

### Semantics:

1. REF04 contains data relating to the value cited in REF02.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use
		<b>Code</b>		<b>Name</b>		
		NS		National Stock Number		
		PM		Part Number		
		Q5		Property Control Number		
		<b>DLMS Note:</b>				
		1. Use to indicate Provisioning Control Code.				
		2. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.				
		SE		Serial Number		
		<b>DLMS Note:</b>				
		Use to indicate Item Serial Number.				
		W7		Commercial and Government Entity (CAGE) Code		
		WL		Federal Supply Classification Code		
		XA		Substitute National Stock Number		
		<b>DLMS Note:</b>				
		1. Use to indicate Substitute National Stock Number.				
		2. Use when sending a substitute for a NSN. Place the original NSN at 2/LIN/0100.				
		ZZ		Mutually Defined		
		<b>DLMS Note:</b>				
		1. Use to indicate Overflow Indicator.				
		2. Indicate overflow onto DD 2241 with a "Y" in REF02. Indicate no overflow onto DD2241 with an "N".				
		3. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.				
		ADT		Denial Reason Identifier		
		<b>DLMS Note:</b>				
		1. Use to indicate Reason of Return.				
		2. Use REF 03 to provide additional information.				

REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/50	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content <b>DLMS Note:</b> Use with code 'ADT' to describe Overflow Reject Reason information.	X	AN	1/80	Used

**N1****Party Identification**

Pos: 0800	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

To identify a party by type of organization, name, and code

**Syntax Rules:**

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

**Comments:**

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use
		<b>Code</b> <b>Name</b>				
	40	Receiver				
		<b>DLMS Note:</b> <i>Use to indicate Activity Code To.</i>				
	41	Submitter				
		<b>DLMS Note:</b> <i>Use to indicate Activity Code From.</i>				
	IAV	Other Related Party				
		<b>DLMS Note:</b> <i>Use to indicate Activity Code Passed To.</i>				
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2	Used
		<b>Code</b> <b>Name</b>				
	10	Department of Defense Activity Address Code (DODAAC)				
		<b>DLMS Note:</b> <i>Potential enhancement to replace Activity Code.</i>				
	M4	Department of Defense Routing Identifier Code (RIC)				
		<b>DLMS Note:</b> <i>Potential enhancement to replace Activity Code.</i>				
	ZZ	Mutually Defined				
		<b>DLMS Note:</b> <i>1. Use to indicate Activity Code.</i>  <i>2. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.</i>				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Used

**LM**

# Code Source Information

Pos: 1400	Max: 1
Heading - Optional	
Loop: LM	Elements: 1

**User Option (Usage):** Used

To transmit standard code list identification information

**Comments:**

- 1. LM02 identifies the applicable industry code list source information.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	<b>Agency Qualifier Code</b> Description: Code identifying the agency assigning the code values	M	ID	2/2	Must use
		<u>Code</u>		<u>Name</u>		
		DF		Department of Defense (DoD)		
		DH		Defense Logistics Information Service		

# LQ

## Industry Code Identification

Pos: 1500	Max: 100
Heading - Mandatory	
Loop: LM	Elements: 2

**User Option (Usage):** Must use

To identify standard industry codes

### Syntax Rules:

1. C0102 - If LQ01 is present, then LQ02 is required.

### Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage						
LQ01	1270	<b>Code List Qualifier Code</b> <b>Description:</b> Code identifying a specific industry code list	O	ID	1/3	Used						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Document Identification Code</td> </tr> <tr> <td>63</td> <td>Content Indicator Code</td> </tr> </tbody> </table> <p><b>DLMS Note:</b></p> <ol style="list-style-type: none"> <li>1. Use to indicate Item Support Code. This is a DLA unique data element. Code list may be found in DoD Manual 4100.39M Volume 10, Table 91.</li> <li>2. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.</li> </ol>	Code	Name	0	Document Identification Code	63	Content Indicator Code				
Code	Name											
0	Document Identification Code											
63	Content Indicator Code											
	AD	Acquisition Advice Code										
	GA	Action Code										
		<p><b>DLMS Note:</b></p> <ol style="list-style-type: none"> <li>1. Use to indicate Action Taken Code. This is a DLA unique data element. Code list may be found in DoD Manual 4140.26M, Appendix D.</li> <li>2. Mandatory for Interim Advice, Reject Advice, Accept Advice, Reply to Offer and Reply to Follow-up Request transactions.</li> </ol>										
	GF	Type Identity Change Code										
		<p><b>DLMS Note:</b></p> <ol style="list-style-type: none"> <li>1. Use to indicate Type of Change Code. This is a DLA unique data element. Code list is available in DoD Manual 4140.26-M Appendix E.</li> <li>2. When sending Reply to Follow-up request enter code "N" Original, "P" Change or "V" Follow-on in LQ02.</li> <li>3. An ANSI data maintenance action will be taken to obtain a more appropriate code for use in a future version/release.</li> </ol>										
	PHC	Phrase Code										
LQ02	1271	<b>Industry Code</b> <b>Description:</b> Code indicating a code from a specific industry code list	X	AN	1/30	Used						

# LIN

## Item Identification

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 2

**User Option (Usage):** Must use

To specify basic item identification data

### Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

### Semantics:

1. LIN01 is the line item identification

### Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### DLMS Note:

1. Use this segment to report old National Stock Number.
2. The items described in Table 2 relate to the item described in the 1/REF/0600 segment and are use to provide additional Action Code information.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID	2/2	Must use
		<b>Code</b> FS		<b>Name</b> National Stock Number		
		<b>DLMS Note:</b> Use to indicate Old National Stock Number.				
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Must use

# CTT

## Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

To transmit a hash total for a specific element in the transaction set

### Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

### Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set <b>DLMS Note:</b> Use to indicate number of inquiries enclosed.	M	NO	1/6	Must use

# SE Transaction Set Trailer

Pos: 0200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Comments:**

1. SE is the last segment of each transaction set.

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>DLMS Note:</b> <i>Cite the same number as the one cited in ST02.</i>	M	AN	4/9	Must use